

CLAIMS

We claim:

1. An elevator system, comprising:
 - 5 a cab adapted to carry a load between different levels of a building;
 - a machine assembly secured to a roof surface on the building and having a drive sheave that causes movement of at least one belt such that the cab moves as desired and a motor that moves the drive sheave; and
 - 10 a cover removably secured over the machine assembly to cover over the machine assembly.
2. The system of claim 1, including a support base secured to the roof surface that supports the machine assembly, the cover being selectively removable from the support base.
- 15 3. The system of claim 1, including an electronic controller that controls the motor supported beneath the cover.
4. The system of claim 1, wherein the cover includes an access opening through the cover and a cover portion that selectively closes off the access opening.
- 20 5. The system of claim 1, wherein the cover includes a portion that is moveable relative to another portion of the cover to provide access to at least some of the machine assembly.
- 25 6. The system of claim 1, wherein the cover has a top surface and a plurality of side walls extending away from edges of the top surface less than one meter such that the height of the cover from the roof surface is less than one meter when the cover is secured in place.

7. The system of claim 1, including a temperature control device associated with the machine assembly for controlling the temperature within the space covered by the cover.

5 8. The system of claim 2, wherein the support base includes a first generally planar surface with a plurality of side portions extending away from the surface and wherein the cover includes a corresponding plurality of side walls that are received against the side portions when the cover is secured to the support base.

10 9. The system of claim 8, wherein the side portions are exterior to the side walls when the cover is secured to the support base.

10. An assembly for housing elevator system machine components on top of a roof surface of a building without requiring a machine room, comprising:

a support base adapted to be secured to the roof surface, the support base supporting at least some of the machine components; and

5 a cover that is selectively secured to the support base to cover the machine components supported on the base.

11. The system of claim 10, wherein the cover includes an access opening through the cover and a cover portion that selectively closes off the access opening.

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12. The system of claim 10, wherein the cover has a top surface and a plurality of side walls extending away from edges of the top surface less than one meter such that the height of the cover from the roof surface is less than one meter when the cover is secured to the support base.

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13. The system of claim 10, including a temperature control device associated with the support base for controlling the temperature within the space covered by the cover.

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14. The system of claim 10, wherein the support base includes a first generally planar surface with a plurality of side portions extending away from the surface and wherein the cover includes a corresponding plurality of side walls that are received against the side portions when the cover is secured to the support base.

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15. The system of claim 14, wherein the side portions are exterior to the side walls when the cover is secured to the support base.

16. An assembly for housing elevator system machine components on top of a roof surface of a building without requiring a machine room, comprising:

a support base adapted to be secured to the roof surface, the support base supporting at least some of the machine components; and

5 a cover secured to the support base to cover the machine components supported on the base, at least a portion of the cover being selectively removable.

17. The system of claim 16, wherein the cover has a top surface and a plurality of side walls extending away from edges of the top surface less than one meter such that 10 the height of the cover from the roof surface is less than one meter when the cover is secured to the support base.

18. The assembly of claim 16, wherein the entire cover is removable.